

Date: Thu, 30 Jun 94 15:34:55 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #725  
To: Info-Hams

Info-Hams Digest                      Thu, 30 Jun 94                      Volume 94 : Issue 725

Today's Topics:

absolute beginner questions  
Canadian Amateur in the U.S.  
Canadian Exams --- is four enough  
Clipart  
FIELD DAY 1994 REPORT  
Help! What is it?  
Kenwood TH-78A  
simnplex on two meter  
Temp. Conversion Chart: F & C?  
temperature conversion  
Where is the best place to install a low pass filter? (5 msgs)  
You Know It's Time to Retire

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: Thu, 30 Jun 1994 20:01:57 GMT  
From: ihnp4.ucsd.edu!swrinde!emory!gatech!ncar!noao!news@network.ucsd.edu  
Subject: absolute beginner questions  
To: info-hams@ucsd.edu

Hello,

I know nothing about short wave radio but I do a lot of backcountry travel  
and have been told that short wave is the best emergency communications  
device I could have. So here I am looking for beginner's information.

Is there an FAQ or archive site for this group? What is a good, up to date, beginner book I can read? In what price range is a low end mobil radio unit?

Many thanks for any suggestions!

-Dyer

---

Dyer Lytle, National Optical Astronomy Observatories, Tucson, AZ, 602-323-4136  
Internet: lytle@noao.edu WWW: [http://iraf.noao.edu/iraf\\_staff/lytle.html](http://iraf.noao.edu/iraf_staff/lytle.html)

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Date: Thu, 30 Jun 94 13:37:18 -0700 (PDT)  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!sol.ctr.columbia.edu!  
deep.rsoft.bc.ca!mindlink.bc.ca!a10897@network.ucsd.edu  
Subject: Canadian Amateur in the U.S.  
To: info-hams@ucsd.edu

I am going to be spending a month in the U.S. this summer (I'm from Canada), and I am wondering a couple things. Does my Canadian amateur radio liscence let me transmit in the U.S.? If so, will I have to identify myself differntly? Please E-mail me if you know anything about these regulations! Thanks in advance!

Graham VE7BBZ

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Date: Thu, 30 Jun 1994 16:23:55 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!torn!waterv2.uwaterloo.ca!  
greenfly.watstar.uwaterloo.ca!SPIKE@network.ucsd.edu  
Subject: Canadian Exams --- is four enough  
To: info-hams@ucsd.edu

The interested in Amateur Radio has certainly changed with the new exams. Many new amateurs have studied with the help of a course put on by the local amateur radio club/association. Most courses have a high level of hands on demonstration and a high level of user protocol.

However: Listening to the new basic license amateurs indicates a need for more understanding of the technology they are working with.

Maybe three written exams could be considered!

ie:

BASIC exam: As the present one.

Still 6 metres and up with 50 watts maximum (now 250 watts).

No packet.

INTERMEDIATE: Now the advanced. Add more safety, tower installation,  
more antennas theory (concepts) and safety.  
Still 6 metres and up with 250 watts (present basic at  
250 watts).  
Add packet.

ADVANCED: More on high power, repeater control, safety, grounding,  
antennas.  
Power to 1000 watts (present advanced).  
More repeater practical.  
Add packet sysop.

CODE: These two exam levels 5wpm & 12 wpm seem to be ok.  
The 5wpm gets one started with code.  
Many of the new basic certificates start to work on 5wpm  
within the year.

73, de EDward Spike spike@eestaff.watstar.uwaterloo.ca  
\*  
\* AMATEUR RADIO: ve3tck@at.ve3uow.ampr.org  
\* or VE3TCK@VE3UOW.#SWON.ON.CA.NA  
\*- - - / IEEE Robot Olympics and MicroMouse Competition Committee  
\* micro-mouse@ieee.org or mouse@sunee.uwaterloo.ca  
\* E & CE Dept. University of Waterloo, Waterloo, Ontario,  
\* Canada, N2L3G1. (519)888-4567, X-3716, fax:(519)888-6197

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Date: 30 Jun 1994 21:10:58 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
sundog.tiac.net!news3.sprintlink.net!news.sprintlink.net!sun.cais.com!  
news@network.ucsd.edu  
Subject: Clipart  
To: info-hams@ucsd.edu

I posted the clipart question a couple weeks ago and as promised to the  
innumerable people that e-mailed me asking about my findings, I'll make  
public what I have found, which, unfortunately is not much :-(  
The first try was the ARRL BBS's at 203-666-0578. After doing a file  
search, I found several ARRL related logos, like ARES, RACES and so on...  
Thanks to a fellow ham from the UK who replied me, there is a small  
repository of some other radio related ham artwork available via FTP at

hpcsos.col.hp.com, I believe in the /pub/hamradio/clipart area. I found  
that the quality of most of the drawings to be quite amateurish and of

low quality, but hey it is better than nothing!  
Finally but not last, I combined all of this findings into a new files  
section of the BBS I run here in DC, Gallery's BBS at 202-298-6009. The  
clipart is in the Ham Art file section.  
Hope you'll find this info usefull and keep your fingers crossed for  
the stuff from the above message to be available soon :-)  
73's to all de N3MGA

-----  
Date: 30 Jun 1994 19:18:51 GMT  
From: pa.dec.com!nntpd.lkg.dec.com!iamu.chi.dec.com!little@decwrl.dec.com  
Subject: FIELD DAY 1994 REPORT  
To: info-hams@ucsd.edu

CALL: N9MWB/AA

ENTRY CLASS: 1B commercial

SECTION / LOCATION: IN  
Set up on the back porch of my brothers house on a lake in  
Columbus Indiana.

RIG: Yaesu FT-767GX with modules for 6, 2, and 440.

ANTENNA: 60-70' Horizontal dipole up about 35', 20 meter sloper, twinlead  
j-poles for 2 and 6, and no antenna for 440.

POWER SOURCE: Commercial mains

TOTAL ON-AIR OPERATION TIME: 5-10 hours. Not really sure as I worked a little,  
water skied a little, swam a little, etc.

TOTAL SCORE:

4/1 SSB/CW QSOs on 6  
18/3 SSB/CW QSOs on 10  
73/0 SSB/CW QSOs on 15  
38/0 SSB/CW QSOs on 20  
60/0 SSB/CW QSOs on 40  
----  
193 TOTAL SSB QSOs  
4 TOTAL CW QSOs  
100 watts power  
 $2 * (193 + 2*4) = 402$  points

COMMENTS/LESSONS:

Remember to pay attention to which side of the sloper is up. The 20 meter sloper worked much power than the 40 meter dipole on 20. Also I need to get a tighter SSB filter to cut through all the QRM. I never could get any other family member to operate, although my nephew logged for a brief while. Also need a higher location if I want to work any VHF/UHF stations. Being next to a lake while pretty, doesn't lend itself to line of sight communication. Also need to remember to pick up the easy bonuses, i.e. the ARRL message, and packet/satellite bonuses.

Had a ball!

73,  
Todd  
N9MWB

-----  
Date: 30 Jun 94 20:14:59 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Help! What is it?  
To: info-hams@ucsd.edu

Is it a little black box that has an antenna input and looks like a modem? If so, it is a receiver for Lotus' Signal service. It receives stock market data that is transmitted on a subcarrier of a local FM broadcast station and displays it on a PC. The bad news is that a password is required to activate the receiver, at a cost of about \$250 a month.

Keith Lingwall KB5NSD  
Network Server Manager  
Compaq Computer Corp.  
Houston, TX

\*\*\* Not a spokesman for Compaq Computer Corp. \*\*\*

> Date: 30 Jun 1994 13:11:35 GMT  
> From:  
ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!cleveland.Freenet.Edu!at626@network.u  
csd.edu  
> Subject: Help! What is it?  
> To: info-hams@ucsd.edu

> I bought this at a thrift store. I've always wanted one. The only question  
> I have is, what is it? Front panel says:

> Lotus FM Receiver  
-----

Date: Thu, 30 Jun 94 14:11:57 -0500  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!  
news.delphi.com!usenet@network.ucsd.edu  
Subject: Kenwood TH-78A  
To: info-hams@ucsd.edu

Athos Facchi <facchi@locarno.cc.columbia.edu> writes:

>different models, I decided to get a Kenwood TH-78A. Does anyone out there  
>have any experience with this radio or with Kenwood products in general?

Athos,

I have a TH78 and like it very much. It has good sensitivity for a HT  
and it does dual-in-band very well. It is not too bad to  
program, but make copies of the manual, and you will be all set.

I have found it to be very versatile and it sounds very good  
on the air.

good luck and 73

de n1qdq

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Date: 30 Jun 1994 17:39:35 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!sol.ctr.columbia.edu!  
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu  
Subject: simplex on two meter  
To: info-hams@ucsd.edu

>  
> A general CQ I interpret as an invitation for \_anyone\_ to respond, so I  
might.

>  
> Does anyone agree with that?

>  
> David (GM0SYA)

=====  
Quite a while back I was calling CQ on 29.600 MHz F3E.

An anonymous responder said, "Do you mean CQ or do you really want to say  
QRZ?"

He was seemingly quite chagrined that I'd be calling CQ on 29.6 MHz.

I told him that I know what the Q signals mean and that I meant to call CQ and asked him if he knew what CQ means.

He evidently didn't know 'cuz he never came back.

What a lid,

73 de Jack, K9CUN

-----  
Date: Thu, 30 Jun 94 16:57:10 GMT  
From: netcomsv!butch!enterprise!news@decwrl.dec.com  
Subject: Temp. Conversion Chart: F & C?  
To: info-hams@ucsd.edu

In article <CryHrM.DKF@du.edu>, awinterb@du.edu (Art Winterbauer) writes:  
|> Does anyone know of a source for a quick temperature conversion chart  
|> between F and C? I can't recall the formula (or where to find it), and  
|> would just like a way to rapidly convert between the two scales when  
|> in QSO.  
|>  
|> 73 de Art, N00QS

Don't have a numeric conversion chart, but there's a chart on the wall here for the "metrically challenged":

40C - Dang hot!  
35C - Really hot  
30C - Warm  
25C - Nice  
20C - A bit chilly  
15C - Cool  
10C - Cold  
5C - Brrr!

73, N7TNJ, George

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Date: 30 Jun 1994 18:20:42 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!gerald@cc.utexas.edu!  
astro.as.utexas.edu!oo7@network.ucsd.edu  
Subject: temperature conversion

To: info-hams@ucsd.edu

William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM says:

>>geez, people make this so complicated.

>>C = 1.8 (F-32).

Bwah hah! At least some of them got it right, though.

(I would have e-mailed him, but look at the length of that address).

The original poster wanted to be able to tell someone in another country what the temperature is at his place, so it doesn't have to be highly accurate, you may as well just subtract 30 from the F and halve it. That will be within a degree or two, and anyway, who cares. If someone tells me the temperature in Mongolia, I just make something up. Or do you get an OO notice if you tell someone that it's clear when it's actually raining?

Does anyone ever care what the temperature is 10,000 miles away? Does anyone write it in their log? Or is it just so that you can reply "fb ur temp OM" or "QSL the temperature there old man"? You might just as well tell the other op the color of your socks.

Give 'em a 599 and on to the next one, I say.

Derek "not a ragchewer" Wills (AA5BT, G3NMX)  
Department of Astronomy, University of Texas,  
Austin TX 78712. (512-471-1392)  
oo7@astro.as.utexas.edu

-----  
Date: Thu, 30 Jun 94 09:22:37 PDT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!  
news.kei.com!ssd.intel.com!chnews!news@network.ucsd.edu  
Subject: Where is the best place to install a low pass filter?  
To: info-hams@ucsd.edu

Can someone tell me where the best place is to install my  
Drake 1KW low pass filter?

1) Between my HF transceiver and my 1KW RF amp



- 2) Between my 1 KW RF amp and my 1KW antenna tuner
- 3) Between my 1KW antenna tuner and my antenna
- 4) Sell it at the next ham fest
- 5) Anywhere after the transceiver

Thanks, 73s Tom WB7ASR...

tom\_boza@ccm.hf.intel.com

-----  
Date: 30 Jun 94 17:16:34 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!aries!  
hawley@network.ucsd.edu  
Subject: Where is the best place to install a low pass filter?  
To: info-hams@ucsd.edu

tom\_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my  
>Drake 1KW low pass filter?

- > 1) Between my HF transceiver and my 1KW RF amp
- > 2) Between my 1 KW RF amp and my 1KW antenna tuner
- > 3) Between my 1KW antenna tuner and my antenna
- > 4) Sell it at the next ham fest
- > 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR..

2).

.....NO USER SERVICEABLE PARTS INSIDE.....

Chuck Hawley.....KE9UW.....Urbana, Illinois  
hawley@aries.scs.uiuc.edu  
School of Chemical Sciences, Electronic Services  
University of Illinois, Urbana-Champaign

-----  
Date: 30 Jun 1994 17:36:25 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!jms@network.ucsd.edu  
Subject: Where is the best place to install a low pass filter?  
To: info-hams@ucsd.edu

tom\_boza@ccm.hf.intel.com wrote:

: Can someone tell me where the best place is to install my  
: Drake 1KW low pass filter?

: 1) Between my HF transceiver and my 1KW RF amp  
: 2) Between my 1 KW RF amp and my 1KW antenna tuner  
: 3) Between my 1KW antenna tuner and my antenna  
: 4) Sell it at the next ham fest  
: 5) Anywhere after the transceiver

: Thanks, 73s Tom WB7ASR...

Right before the antenna tuner.

Mike, K0TER

-----

Date: Thu, 30 Jun 1994 19:09:41 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!  
ukma!rsg1.er.usgs.gov!stc06.CTD.ORN.L.GOV!xdep.c.eng.ornl.gov!wyn@network.ucsd.edu

Subject: Where is the best place to install a low pass filter?

To: info-hams@ucsd.edu

In article <2uurpg\$b06@chnews.intel.com> tom\_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my  
>Drake 1KW low pass filter?

> 1) Between my HF transceiver and my 1KW RF amp  
> 2) Between my 1 KW RF amp and my 1KW antenna tuner  
> 3) Between my 1KW antenna tuner and my antenna  
> 4) Sell it at the next ham fest  
> 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR...

The answer is no.2. Why? The HF transceiver and the 1KW RF amp are active devices and may not be so linear, so bad freq.s could be generated within which need filtering out. The 1KW antenna tuner is a passive and (unless you really mess up) a linear device so what goes in frequency wise should be what comes out. Also the tuner input offers the filter a 50-75 ohm output load which may assist the filter's efficiency. No. 3 is not so bad a choice given resonant 50-75 ohm antenna loads, but if you switch your tuner to shunt or straight through position you arrive at no. 3 anyway.

73,

C. C. (Clay) Wynn N4AOX  
wyn@ornl.gov

=====  
= Cooperation requires participation. Competition teaches cooperation. =  
=====

...\_ .. ...\_ \_ \_ . \_... . \_\_. \_ . \_ \_ \_ . . . . . \_... \_...\_

-----  
Date: 30 Jun 1994 21:20:46 GMT  
From: ihnp4.ucsd.edu!agate!kennish@network.ucsd.edu  
Subject: Where is the best place to install a low pass filter?  
To: info-hams@ucsd.edu

In article <2uurpg\$b06@chnews.intel.com>, <tom\_boza@ccm.hf.intel.com> wrote:

>  
>Can someone tell me where the best place is to install my  
>Drake 1KW low pass filter?  
>  
> 1) Between my HF transceiver and my 1KW RF amp  
> 2) Between my 1 KW RF amp and my 1KW antenna tuner  
> 3) Between my 1KW antenna tuner and my antenna  
> 4) Sell it at the next ham fest  
> 5) Anywhere after the transceiver  
>  
>Thanks, 73s Tom WB7ASR...  
>  
>tom\_boza@ccm.hf.intel.com

(2).

Reason:

- 1) The harmonics come from the amplifier, and it is best to get rid of them as soon as possible,
- 2) The REAL reason. Filters are designed to run into matched loads. The best filters are doubly terminated, and are designed to be fed with 50 ohms and run into a 50 ohm load. The output of the TX should be 50 ohms and the INPUT of the tuner should be 50 ohms.

The path between the antenna and the tuner is resonant but not with 50 ohm terminations. (If it were, you wouldn't need a tuner). There could be huge circulating currents in the feedwire which the filter is not capable of handling, and the filter will probably not give

the designed filter characteristics when run into a  
non 50 ohm load.

-Ken

-----  
Date: 30 Jun 1994 16:22:24 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
Subject: You Know It's Time to Retire  
To: info-hams@ucsd.edu

In article <2uufd5\$1ms@newsgw.mentorg.com> john\_bate@mentorg.com writes:  
>I've got 4 harmonics running around.

Unless you're prepared to demonstrate the existence of modern-day  
virgin birth, or parthenogenesis, I suspect you'd be better off calling  
them 'heterodynes' or 'intermodulation products' than 'harmonics'.

Around here they're known as 'lion fodder.'  
- Brian

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Date: Thu, 30 Jun 94 14:07:54 -0500  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!  
news.delphi.com!usenet@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1994Jun28.151509.21524@news.yale.edu>,  
<Cs5AK5.BKn@freenet.carleton.ca>, <2ur75n\$37q@umcc.umich.edu>usenet  
Subject : Re: Whereis callsign server

For those in search of a better server try:

pc.usl.edu 2000

pretty up to date....

73 de n1qdq

-----  
Date: 30 Jun 1994 15:36:11 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!crcnis1.unl.edu!  
unlinfo.unl.edu!gbrown@network.ucsd.edu

To: info-hams@ucsd.edu

References <2urr63\$7jb@news.iastate.edu>, <2us6q0\$q99@crcnis1.unl.edu>,  
<2using\$gau@news.iastate.edu>'  
Subject : Re: License Renewal

William J. Turner (wjturner@iastate.edu) wrote:

: In article <2us6q0\$q99@crcnis1.unl.edu>, gbrown@unlinfo.unl.edu (gregory brown)  
writes:  
: |> William J. Turner (wjturner@iastate.edu) wrote:  
: |>  
: |> : In article <2uqn3t\$32t@tymix.Tymnet.COM>, flanagan@niagara.Tymnet.COM (Dick  
Flanagan) writes:  
: |> : |> Doesn't anyone read the Regs anymore?  
: |> : |>  
: |> : |> 97.19(c) When the licensee has submitted a timely application for  
renewal  
: |> : |> of an unexpired license...  
: |>  
: |> : So, if you never renew and you never \*tell\* the FCC you didn't renew,  
: |> : you can operate forever? (Yeah, right!)  
: |>  
: |>  
: |> Geez, apparently people not only do not read the regs, they don't read  
: |> the posts they comment on!  
: |>  
: |> "When a licensee has submitted a timely application..."

: Why don't you? The poster also said:

: "In other words, you may continue to operate until you eventually receive  
: your renewed license =OR= until you are notified by the FCC that it was  
: not renewed."

: See the "=OR="?? That implies if you don't renew and don't tell the FCC  
: you can operate forever!

: (Not what he meant, but he did say it...)

Can you spell "CONTEXT"???

"When a licensee has submitted a timely application....you may  
continue to operate until you receive your renewed license or until  
you are notified that it was not renewed", at which time you stop  
operating. What part of this don't you understand???

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Date: 30 Jun 1994 18:06:42 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!  
yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!scorpion.ch.intel.com!  
jbromley@network.ucsd.edu  
To: info-hams@ucsd.edu

References <2upulv\$fis@nyx10.cs.du.edu>, <2uq5jm\$hhf@chnews.intel.com>,  
<2uqnb6\$f1i@nyx10.cs.du.edu>u  
Subject : Re: FIELD DAY 1994 REPORT

In article <2uqnb6\$f1i@nyx10.cs.du.edu>,  
Jay Maynard <jmaynard@nyx10.cs.du.edu> wrote:

>Actually, the two ICOMs were radios #2 and 3. #1 was a Yaesu FT-107M;  
>it would have worked fine on CW, but was found to have a dead mic  
>amplifier (most likely). Nyah.

Same thing happened to our Kenwood 440. Halfway through, the SSB  
modulator slowly went bonkers. Had to switch to an alternate rig.  
Could have continued on CW, though. Geez, maybe CW *\*is\** more  
reliable.

Jim Bromley, W5GYJ <jbromley@sedona.intel.com>

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End of Info-Hams Digest V94 #725  
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